

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A device ~~Device~~ for sensing the presence of the distal end of a source wire in a reference position within a guidance channel of an afterloading apparatus, said afterloading apparatus being used for positioning an energy emitting source fixed to said distal end of said source wire at a desired position within an animal body for radiation therapy treatment purposes, by driving said source wire from said reference position towards said desired position through said guidance channel and a catheter tube, which catheter tube is connected with one tube end to the afterloading apparatus and implanted with its other tube end in said animal body, the sensing device comprising ~~characterized in that~~ a lever element is pivotally mounted near said guidance channel, which lever element is in a first position, when said distal end of said source wire is not present in its reference position and whereas said lever element is in a second position, when said distal end is present in its reference position.
2. (Currently amended) The sensing ~~Sensing~~ device according to claim 1, wherein ~~characterized in that~~ when said lever element is in a third position, said distal end is past said reference position.
3. (Currently amended) The sensing ~~Sensing~~ device according to claim 1, wherein ~~characterized in that~~ in said first position said lever element extends in said guidance channel.
4. (Currently amended) The sensing ~~Sensing~~ device according to claim 1, wherein ~~characterized in that~~ said lever element is biassed against a counterforce, said counterforce urging said lever element in its first position.
5. (Currently amended) The sensing ~~Sensing~~ device according to claim 4, wherein ~~characterized in that~~ said device further comprises a spring for exerting said counterforce on said lever element.
6. (Currently amended) The sensing ~~Sensing~~ device according to claim 1, further comprising ~~characterized in that~~ detection means are present for detecting the presence of said

lever element in said first, second or third position.

7. (Currently amended) The sensing Sensing-device according to claim 6, wherein characterized in that said detection means comprises at least one light emitting element and one light detector mounted at both sides of said lever element.
8. (Currently amended) The sensing Sensing-device according to claim 7, wherein characterized in that said lever element is at least partly made of a light non-transparent material.
9. (Currently amended) The sensing Sensing-device according to claims 7, wherein characterized in that said lever element is provided with at least one through bore.
10. (Currently amended) The sensing Sensing-device according to claims 7, wherein characterized in that an edge of said lever element is provided with at least one notch.
11. (Currently amended) The sensing Sensing-device according to claim 6, wherein characterized in that the optical path formed by said light emitting element and said light detector is located some distance away from the guidance channel.
12. (Currently amended) The sensing Sensing-device according to claim 6, wherein characterized in that said lever element is made of a magnetic material and wherein said detection means comprises a Hall-sensor.
13. (Currently amended) The sensing Sensing-device according to claim 6, wherein characterized in that detection means comprises at least one switch, preferably a microswitch.
14. (Currently amended) The sensing Sensing-device according to claim 1, wherein characterized in that the energy emitting source is radio-wave antenna.
15. (Currently amended) The sensing Sensing-device according to claim 1, wherein characterized in that the energy emitting source is miniature X-ray source.

16. (Currently amended) The sensing ~~Sensing~~—device according to claim 1, wherein characterized in that the energy emitting source is a radioactive source.
17. (Currently amended) The sensing ~~Sensing~~—device according to claim 1, wherein characterized in that the source wire is a optical wire.
18. (Currently amended) The sensing ~~Sensing~~—device according to claim 1, wherein characterized in that the source wire is a coaxial cable.
19. (Currently amended) The sensing ~~Sensing~~—device according to claim 1, wherein characterized in that the source wire is a nickel-titanium alloy wire.
20. (Currently amended) The sensing ~~Sensing~~—device according to claim 1, wherein characterized in that the source wire is a combination of optical wire surrounded by a nickel-titanium alloy tube.
21. (Currently amended) The sensing ~~Sensing~~—device according to claim 1, wherein characterized in that the source wire is a combination of a coax cable and an optical wire.
22. (Original) An afterloading apparatus provided with a sensing device according to claim 1.